Abstract

TRACING LAYER-2 ROUTE IN NETWORKS BASED
ON BROADCAST MEDIUM

Tracing the layer-2 devices present between any two systems in a network implemented using broadcast medium. A device (receiving device) receives a command including a source and destination system identifiers. If the receiving device is not connected directly to the source system, the receiving device determines a connecting device connecting directly to the source system. The receiving system sends a request packet to the connecting device and receives a response packet. The response packet either indicates that the sending device is directly connected to the destination system or indicates a next device in the connecting path. The request and response sequence is continued until a sending device indicates that the destination system is connected directly.

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